

LOGISTICS HALL Vitra Neuenburg (Germany)

NEW BUILDING

Client: Vitra Verwaltungs-GmbH, Weil am Rhein

**Certified
Inspection Engineer:** Prof. Dipl.-Ing. Matthias Pfeifer

Our services: Structural engineering inspection in accordance with regulations and standards
Static calculations
Structural fire protection
Earthquake engineering
Sound insulation
Execution planning
Random monitoring of the structure during the building phase

Brief description: Construction of a new logistics building partially cellared with a 2-storey area for stores and administration integrated into the building

- logistics hall, 135 m x 90 m x 10 m
- flat roof structure with 20 m wide span of welded steel girders (special sections) as main load-bearers and steel purlins clad in trapezoidal covering as a secondary structure
- load transfer through clamped reinforced concrete columns, at the top furnished with steel components for fixing the steel girders
- a canopy around the whole building constructed in timber as a space frame, overhang 4 m
- reinforced concrete slabs over the partial cellar area withstanding a working load of up to 50 kN/m²

Architects: Antonio Citterio and Partners, Milano (Italy)

Structural engineers: Steel structure
Walter & Reinhardt Ing.-Ges. mbH, Herbolzheim
Solid structure
Kienzler und Kunzelmann, Freiburg

Completion: 2008

